

CLAIMS

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1. A modem comprising at least one physical channel for transmitting data from a source to a receiver, said physical channel transmitting a first logical channel and a second logical channel, wherein:
- said first logical channel is configured to transmit only command information from the source to the modem for controlling the modem; and
- said second logical channel is configured to transmit data from the source to the receiver through the modem.
2. A communications system for transferring data from a data source to a data receiver, the communications system comprising a modem connected between the source and the receiver via a physical channel, said physical channel transmitting information via a plurality of logical channels, wherein at least one of said logical channels transmits only command information from the data source to the modem.
3. A modem having a physical channel transmitting information via first and second logical channels, comprising:
- a transfer register for receiving information via the first logical channel;
- a mailbox interface for receiving information via the second logical channel; and
- a controller configured to execute commands corresponding to said information received at said mailbox interface and transfer the information in the transfer register to a receiver.

first and second logical channels are transmitted via only one physical channel;

reading said command information received via said second logical channel; and

executing commands at said modem according to said read command information.

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